

Economics of Profitable Soybean Production

SOYBEANS, IRRIGATED, TEXAS HIGH PLAINS III REGION
ESTIMATED COSTS AND RETURNS PER ACRE (FURROW)
TYPICAL MANAGEMENT (PREPLANT PLUS 3 POSTPLANTS)

5000
6/10/77
L-902A
JW

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OF COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
SOYBEANS	BU.	5.50	35.00	<u>192.50</u>
TOTAL				\$ 192.50
2. VARIABLE COSTS				\$
PREHARVEST				
SEED	BU.	8.00	1.00	8.00
HERBICIDE	ACRE	7.00	1.00	7.00
MACHINERY	ACRE	4.32	1.00	4.32
TRACTORS	ACRE	4.47	1.00	4.47
IRRIGATION MACHINERY	ACRE	31.24	1.00	31.24
LABOR(TRACTOR & MACHINERY)	HOURL	3.50	2.56	8.98
LABOR(IRRIGATION)	HOURL	3.50	2.20	7.70
INTEREST ON OP. CAP.	DOL.	0.10	24.95	<u>2.52</u>
SUBTOTAL, PRE-HARVEST				\$ 74.19
HARVEST COSTS				\$
CUSTOM COMBINE	ACRE	12.00	1.00	12.00
CUSTOM HAUL	BU.	0.20	35.00	<u>7.00</u>
SUBTOTAL, HARVEST				\$ 19.00
TOTAL VARIABLE COST				\$ 93.19
3. INCOME ABOVE VARIABLE COSTS				\$ 99.31
4. FIXED COSTS				\$
MACHINERY	ACRE	3.62	1.00	3.62
TRACTORS	ACRE	4.39	1.00	4.39
IRRIGATION MACHINERY	ACRE	31.68	1.00	31.68
LAND (NET RENT)	ACRE	27.68	1.00	<u>27.68</u>
TOTAL FIXED COSTS				\$ 67.36
5. TOTAL COSTS				\$ 160.55
6. NET RETURNS				\$ 31.95

LAND CHARGE BASED ON LANDLORD'S SHARE OF GROSS (1/4) LESS 1/4 OF
HAULING AND 50 PCT. OF IRRIG. FIXED COSTS.

PREPARED BY MARVIN O. SARTIN, TAEX, LUBBOCK, TEXAS

PROJECTED 1977

SOYBEANS, IRRIGATED, TEXAS HIGH PLAINS III REGION
ESTIMATED COSTS AND RETURNS PER ACRE (FURROW)
TYPICAL MANAGEMENT (PREPLANT PLUS 3 POSTPLANTS)

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL OIL, FIXED		
						LUE	REP.	COSTS
						PER ACRE	PER ACRE	PER ACRE
PICKUP 1/2 TON	10	DEC	0.10	0.125	0.100	0.43		0.19
MOLDBOARD 6B TM	2.47	JAN	0.50	0.240	0.160	0.99		1.16
PACKER TM	53	JAN	0.50	0.0	0.154	0.00		0.05
CHISEL TM	2.44	JAN	0.50	0.083	0.056	0.35		0.48
PICKUP 1/2 TON	10	JAN	0.10	0.125	0.100	0.43		0.19
PICKUP 1/2 TON	10	FEB	0.10	0.125	0.100	0.43		0.19
TANDEM DISC TM	3.41	MAR	2.00	0.330	0.220	1.04		1.56
HERB SPR/DISC TM	61	MAR	1.00	0.0	0.157	0.00		0.15
LISTER 6R TM	2.54	MAR	1.00	0.215	0.143	0.88		0.88
PICKUP 1/2 TON	10	MAR	0.10	0.125	0.100	0.43		0.19
ROLLING CULT TM	4.30	APR	1.00	0.165	0.110	0.38		0.59
PICKUP 1/2 TON	10	APR	0.10	0.125	0.100	0.43		0.19
BED PLANTER 6R TM	3.38	MAY	1.00	0.281	0.188	0.88		1.23
PICKUP 1/2 TON	10	MAY	0.10	0.125	0.100	0.43		0.19
CULTIVATOR 6R TM	4.33	JUNE	1.00	0.0	0.0	0.0		0.0
PICKUP 1/2 TON	10	JUNE	0.10	0.125	0.100	0.43		0.19
PICKUP 1/2 TON	10	JULY	0.10	0.125	0.100	0.43		0.19
PICKUP 1/2 TON	10	AUG	0.10	0.125	0.100	0.43		0.19
PICKUP 1/2 TON	10	SEPT	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.43</u>		<u>0.19</u>
TOTALS				2.564	2.187	8.78		8.00

LAND CHARGE BASED ON LANDLORD'S SHARE OF GROSS (1/4) LESS 1/4 OF HAULING AND 50 PCT. OF IRRIG. FIXED COSTS.

PREPARED BY MARVIN O. SARTIN, TAEX, LUBBOCK, TEXAS

PROJECTED 1977

**SOYBEANS, IRRIGATED, TEXAS HIGH PLAINS II REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT**

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECLIPITS FROM PRODUCTION				
SOYBEANS	BU.	5.00	35.00	\$ 175.00
TOTAL				\$ 175.00
2. VARIABLE COSTS				
PREHARVEST				
SEED	LBS.	0.08	60.00	4.80
HERBICIDE	ACRE	7.50	1.00	7.50
MACHINERY	ACRE	5.21	1.00	5.21
TRACTORS	ACRE	9.76	1.00	9.76
IRRIGATION MACHINERY	ACRE	22.28	1.00	22.28
LARGE (TRACTOR & MACHINERY)	HOUR	4.50	5.26	23.68
LABOR (IRRIGATION)	HOUR	4.00	1.72	6.80
INTEREST ON OP. CAP.	DOL.	0.10	21.70	2.17
SUBTOTAL, PRE-HARVEST				\$ 82.29
HARVEST COSTS				
CUSTOM COMBINE	ACRE	10.00	1.00	10.00
CUSTOM HAUL	BU.	0.10	35.00	3.50
SUBTOTAL, HARVEST				\$ 13.50
TOTAL VARIABLE COST				\$ 95.79
3. INCOME ABOVE VARIABLE COSTS				\$ 79.21
4. FIXED COSTS				
MACHINERY	ACRE	5.25	1.00	5.25
TRACTORS	ACRE	10.77	1.00	10.77
IRRIGATION MACHINERY	ACRE	12.49	1.00	12.49
LAND (NET RENT)	ACRE	43.75	1.00	43.75
TOTAL FIXED COSTS				\$ 72.27
5. TOTAL COSTS				\$ 168.06
6. NET RETURNS				\$ 6.24

LAND CHARGE BASED ON \$50/ACRE LESS 50 PERCENT OF IRRIGATION FIXED COSTS.
PREPARED BY DR. RAY W. SAMMONS, TEXAS, AMARILLO, TEXAS PROJECTED 1977

SOYBEANS, IRRIGATED, TEXAS HIGH PLAINS II REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
SHREDDER 4R TM	3.57	NOV	1.00	0.331	0.184	0.88	1.48
TANDEM DISC TM	3.40	NOV	1.00	0.283	0.157	0.74	1.00
PICKUP 1/2 TON	10	NOV	0.10	0.125	0.100	0.43	0.19
ROLLING CULT TM	3.30	DEC	1.00	0.198	0.110	0.52	0.73
PICKUP 1/2 TON	10	DEC	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	JAN	0.10	0.125	0.100	0.43	0.19
OFFSET DISC TM	3.42	FEB	1.00	0.283	0.157	0.74	1.11
PICKUP 1/2 TON	10	FEB	0.10	0.125	0.100	0.43	0.19
BOX FLOAT TM	3.60	MAR	1.00	0.653	0.363	1.70	2.18
TANDEM DISC TM	3.40	MAR	2.00	0.566	0.314	1.48	2.00
HEBB SPR/DISC TM	3.61	MAR	1.00	0.283	0.157	0.74	0.96
LISTER 4R TM	3.54	MAR	1.00	0.258	0.143	0.67	0.88
PICKUP 1/2 TON	10	MAR	0.10	0.125	0.100	0.43	0.19
ROLLING CULT TM	3.30	APR	1.00	0.198	0.110	0.52	0.73
PICKUP 1/2 TON	10	APR	0.10	0.125	0.100	0.43	0.19
LISTER-PLANTED TM	3.36	MAY	1.00	0.338	0.189	0.89	1.20
PICKUP 1/2 TON	10	MAY	0.10	0.125	0.100	0.43	0.19
ROLLING CULT TM	3.30	JUNE	1.00	0.198	0.110	0.52	0.73
PICKUP 1/2 TON	10	JUNE	0.10	0.125	0.100	0.43	0.19
FURROW OPENED TM	3.52	JULY	1.00	0.173	0.097	0.46	0.67
PICKUP 1/2 TON	10	JULY	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	AUG	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	SEPT	0.10	0.125	0.100	0.43	0.19
PICKUP 1/2 TON	10	OCT	0.10	0.125	0.100	0.43	0.19
TOTALS				5.262	3.290	14.97	16.02

LAND CHARGE BASED ON \$50/ACRE LESS 50 PERCENT OF IRRIGATION FIXED COST
PREPARED BY DR. RAY W. SAMMONS, TAEX, AMARILLO, TEXAS PROJECTED 19

SOYBEANS, DRYLAND, DEEP EAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
SOYBEANS	BU.	5.00	25.00	<u>125.00</u>
TOTAL				\$ 125.00
2. VARIABLE COSTS				
PREHARVEST				\$
SEED	LBS.	0.12	60.00	7.20
INCCULANT	ACRE	0.50	1.00	0.50
FERT (15-60-60)	ACRE	27.00	1.00	27.00
INSECT/PLANTING	ACRE	6.00	1.00	6.00
HERBICIDE	ACRE	7.00	1.00	7.00
MACHINERY	ACRE	2.99	1.00	2.99
TRACTORS	ACRE	4.95	1.00	4.95
LABOR (TRACTOR & MACHINERY)	HOUR	2.50	2.20	5.49
INTEREST ON OP. CAP.	DOL.	0.10	24.41	<u>2.44</u>
SUBTOTAL, PRE-HARVEST				\$ 63.57
HARVEST COSTS				\$
CUSTOM COMBINE	ACRE	12.00	1.00	12.00
CUSTOM HAUL	BU.	0.20	25.00	<u>5.00</u>
SUBTOTAL, HARVEST				\$ 17.00
TOTAL VARIABLE COST				\$ 80.57
3. BREAK EVEN PRICE, VARIABLE COSTS	BU.			3.223
4. FIXED COSTS				\$
MACHINERY	ACRE	4.53	1.00	4.53
TRACTORS	ACRE	3.67	1.00	3.67
LAND (NET RENT)	ACRE	15.00	1.00	<u>15.00</u>
TOTAL FIXED COSTS				\$ 23.19
5. TOTAL COSTS				\$ 103.77
6. BREAK EVEN PRICE, TOTAL COSTS	BU.			4.151

PREPARED BY WAYNE D. TAYLOR, TAEX, OVERTON, TEXAS

PROJECTED 1977

SOYBEANS, DRYLAND, DEEP EAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
TYPICAL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED CCSTS PER ACRE
OFFSET DISC	3,34	MAR	1.00	0.311	0.207	1.22	1.48
PICKUP	10	MAR	0.10	0.125	0.100	0.33	0.16
TANDEM DISC	3,38	APR	1.00	0.222	0.148	0.95	1.32
PICKUP	10	APR	0.10	0.125	0.100	0.33	0.16
TANDEM DISC	3,38	MAY	1.00	0.222	0.148	0.95	1.32
SPRAYER, HERB.	62	MAY	1.00	0.0	0.258	0.06	0.18
PLANTER	3,48	MAY	1.20	0.333	0.222	1.40	1.64
PICKUP	10	MAY	0.10	0.125	0.100	0.33	0.16
TOOL BAR CULT.	3,56	JUNE	1.50	0.483	0.322	1.68	1.46
PICKUP	10	JUNE	0.10	0.125	0.100	0.33	0.16
PICKUP	10	OCT	0.10	0.125	0.100	0.33	0.16

TOTALS

2.196

1.806

7.94

8.19

PREPARED BY WAYNE D. TAYLOR, TAEX, OVERTON, TEXAS

PROJECTED 1977

SOYBEANS, NORTHEAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
SOYBEANS	BU.	6.00	32.00	<u>192.00</u>
TOTAL				\$ 192.00
2. VARIABLE COSTS				
PREHARVEST				\$
SEED	LBS.	0.20	60.00	12.00
FERT(0-60-60)	ACRE	15.60	1.00	15.60
INOCULANT	ACRE	1.00	1.00	1.00
HERBICIDE	ACRE	6.25	1.00	6.25
INSECTICIDE	APPL	3.38	1.50	5.07
MACHINERY	ACRE	3.29	1.00	3.29
TRACTORS	ACRE	7.30	1.00	7.30
LABOR(TRACTOR & MACHINERY)	HOUR	3.00	3.41	10.23
INTEREST ON OP. CAP.	DOL.	0.10	11.36	<u>1.14</u>
SUBTOTAL, PRE-HARVEST				\$ 61.89
HARVEST COSTS				\$
CUST HARV & HAUL	BU.	0.70	32.00	<u>22.40</u>
SUBTOTAL, HARVEST				\$ 22.40
TOTAL VARIABLE CCST				\$ 84.29
3. BREAK EVEN PRICE, VARIABLE COSTS	BU.			2.634
4. FIXED COSTS				\$
MACHINERY	ACRE	3.29	1.00	3.29
TRACTORS	ACRE	5.33	1.00	5.33
LAND (NET RENT)	ACRE	10.00	1.00	<u>10.00</u>
TOTAL FIXED CCSTS				\$ 18.62
5. TOTAL COSTS				\$ 102.91
6. BREAK EVEN PRICE, TOTAL COSTS	BU.			3.216

PREPARED BY DR. JAMES T. LONG, TAEX, OVERTON, TEXAS

PROJECTED 1977

SOYBEANS, NORTHEAST TEXAS REGION
ESTIMATED COSTS AND RETURNS PER ACRE
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, CIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
TCCL BAR CULT.	2.56	JULY	1.00	0.322	0.215	0.89	0.79
PICKUP	10	JULY	0.10	0.125	0.100	0.29	0.11
TCCL BAR CULT.	2.56	AUG	1.00	0.322	0.215	0.89	0.79
PICKUP	10	AUG	0.10	0.125	0.100	0.29	0.11
PICKUP	10	SEPT	0.10	0.125	0.100	0.29	0.11
PICKUP	10	NOV	0.10	0.125	0.100	0.29	0.11
TANDEM DISC	1.38	DEC	1.00	0.259	0.173	0.98	0.89
SPRAYER, FERB.	1.62	MAR	1.00	0.388	0.258	1.42	1.18
TANDEM DISC	38	MAR	1.00	0.0	0.173	0.07	0.22
PICKUP	10	MAR	0.10	0.125	0.100	0.29	0.11
RENTD. FERT. APPL 1	2.86	APR	1.00	0.118	0.079	0.29	0.21
LISTER-BEDDER	1.60	APR	1.00	0.347	0.231	1.32	1.15
PICKUP	10	APR	0.10	0.125	0.100	0.29	0.11
PICKUP	10	MAY	0.10	0.125	0.100	0.29	0.11
TCCL BAR CULT.	2.56	JUNE	1.00	0.322	0.215	0.89	0.79
PLANTER	1.48	JUNE	1.20	0.333	0.222	1.52	1.72
PICKUP	10	JUNE	0.10	0.125	0.100	0.29	0.11
TOTALS				3.411	2.580	10.60	8.62

PREPARED BY DR. JAMES T. LONG, TAEX, OVERTON, TEXAS

PROJECTED 1977

Educational programs conducted by the Texas Agricultural Extension Service serve people of all ages regardless of socio-economic level, race, color, sex, religion, or national origin.

Cooperative Extension Work in Agriculture and Home Economics, The Texas A&M University System and the United States Department of Agriculture cooperating. Distributed in furtherance of the Acts of Congress of May 8, 1914, as amended, and June 30, 1914.

5M-5-77

AECO